

## Statistics

$$\mu = \frac{\sum fx}{\sum f}$$

$$\bar{x} = \frac{\sum fx}{\sum f}$$

$$\sigma = \sqrt{\frac{\sum f(x - \mu)^2}{\sum f}}$$

$$s = \sqrt{\frac{\sum f(x - \bar{x})^2}{\sum f - 1}}$$

$$\text{Median} = L_M + C_M \cdot \left( \frac{\frac{1}{2}N - F_{M-1}}{f_M} \right)$$

$$\text{Mode} = L_M + C_M \cdot \left( \frac{h_M - h_{M-1}}{2h_M - (h_{M-1} + h_{M+1})} \right)$$

$$\text{CoV} = \frac{\sigma}{\mu} \times 100$$

$$\text{Coefficient of Skewness} = \frac{3(\text{mean} - \text{median})}{\sigma}$$